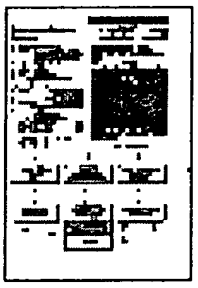
Title: **JP56162473A2: PREPARATION OF ORGANIC ELECTROLYTE BATTERY**

Country: **JP** Japan
Kind: **A**

Inventor(s): **TAKEMORI MASAMI**
YOKOYAMA KENICHI



Applicant/Assignee: **HITACHI MAXELL LTD**

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Application Number: **JP1980000066719**

IPC Class: **H01M 4/08;**

Priority Number(s): May 20, 1980 **JP1980000066719**

Abstract:

Purpose: To increase the operational voltage under low temperature and heavy load discharging by removing oils on the lithium surface through heat-treatment of lithuum in a vacuum when a battery is produced using lithium as an active material for a cathode.
Constitution: A lithium plate stored in kerosene is taken out from the kerosene, rolled to a foil using liquid paraffin as a lubricant, placed in a vacuum dryer, evacuated to 100mmHg or less absolute pressure, heated at a temperature of 180°C, that is the melting point of lithium, or lower, and thus oils on the lithium surface is removed. Then, it is combined in a battery to form the battery. Because the reduction of the operational voltage under low temperature and heavy load discharging due to the oils on the lithium surface can be prevented, and the battery performance can be greatly improved.

Family: Show known family members

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Foreign References: No patents reference this one

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(71) Applicant: **HITACHI MAXELL LTD**

(72) Inventor: **TAKEMORI MASAMI**
YOKOYAMA KENICHI

(74) Representative:

(54) PREPARATION OF ORGANIC ELECTROLYTE BATTERY

(57) Abstract:

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CONSTITUTION: A lithium plate stored in kerosene is taken out from the kerosene, rolled to a foil using liquid paraffin as a lubricant, placed in a vacuum dryer, evacuated to 100mmHg or less absolute pressure, heated at a temperature of 180°C, that is the melting point of lithium, or lower, and thus oils on the lithium surface is removed. Then, it is combined in a battery to form the battery. Because the reduction of the operational voltage under low temperature and heavy load discharging due to the oils on the lithium surface can be prevented, and the battery performance can be greatly improved.